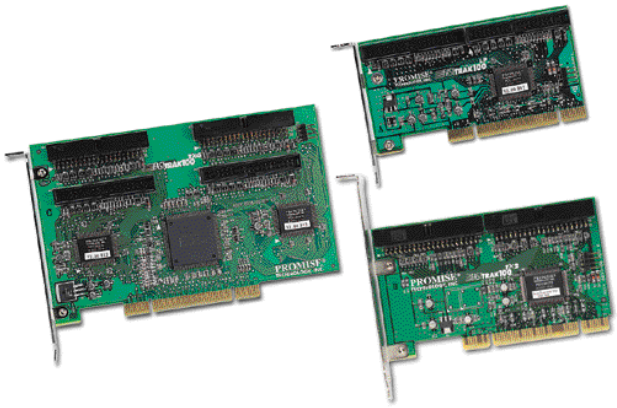
PROMISE TECHNOLOGY, INC.

It's ALL About Your Data.

Ultra ATA/100 RAID 0,1
Cards and Subsystems

FastTrak100 TX/LP Series™

Customer data is more critical, more valuable, and more massive than ever before… Promise Technology, the leader in ATA RAID technology, offers the FastTrak100™ TX/LP series of ATA RAID cards and subsystems for Ultra ATA/100 drives to get to more of that data faster, safer, and more affordably.



Storage Performance At Maximum Throttle

Ready for 66MHz PCI bus motherboards, the FastTrak100 TX/LP series achieves unbelievable RAID 0 striping with speeds that can reach up to 200 MB per second sustained for accelerated workstation performance.

To protect critical data, FastTrak100 TX/LP products simply offer faster data transfers under fault tolerant 2-drive RAID 1 mirroring or 4-drive RAID 0+1. That's unheard of performance, protection, and, thanks to Ultra ATA drives, storage economy versus traditional RAID solutions.

- **Up to 200 MB/sec data transfer rate**
- **Supports 66MHz PCI motherboards for higher data bandwidth[1]**
- **Supports hot swapping of failed drive under RAID 1 (LP, TX2, and TX4) and RAID 0+1 (TX4 only)[2]**
- **Uses standard high octane Ultra ATA/100 Drives**
- **Supports Windows 2000/NT/ME/98/95; RedHat Linux 6.2/7.0; Netware 5.x**

QUICK PICK GUIDE

Model	TX4 Pro	TX4	TX2 Pro	TX2	LP
66MHz PCI [1]	✓	✓	✓	✓	✓
Ultra ATA/100	✓	✓	✓	✓	✓
Data Channels	4	4	2	2	2
# Bundled Hot Swap Chassises	4	0	2	0	0
Hot Swap RAID Support [2]	RAID 1 RAID 0+1	RAID 1 RAID 0+1	RAID 1	RAID 1	RAID 1
PCI Card Size	Standard	Standard	Standard	Standard	Low Profile

[1] Backward compatible with 33MHz PCI Bus motherboards
[2] Using Promise SuperSwap chassises

FastTrak100 TX4™
FastTrak100 TX4 Pro™

The 4-channel Ultra ATA/100 TX4 is perfect for the most demanding small business or department that needs more storage capacity, data protection, and 24x7 uptime.

It's the first ATA RAID card of its kind that supports hot swapping a failed drive in a 4-drive array...whether in one RAID 0+1 array or two separate RAID 1 arrays. Using SuperSwap chassises, simply pull out the failed drive and replace it.

The TX4 Pro kit bundles four SuperSwap chassises for a completely hot-swappable, data redundant small server package that delivers huge capacity with all the speed you'll need.

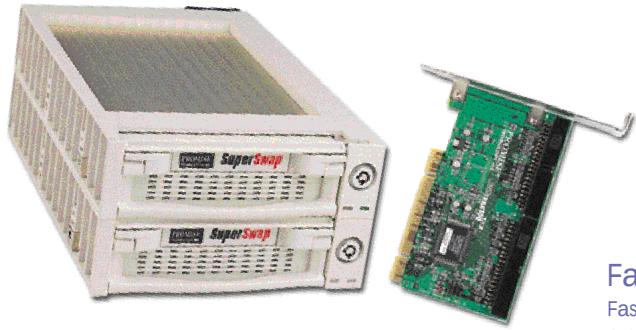
FastTrak100 TX2™
FastTrak100 TX2 Pro™

With our TX2 products, there's still plenty of ATA RAID 0,1 muscle for more modest computing needs – whether it's performance or fault tolerant data protection. These products are best for small home office networks or standalone desktops.

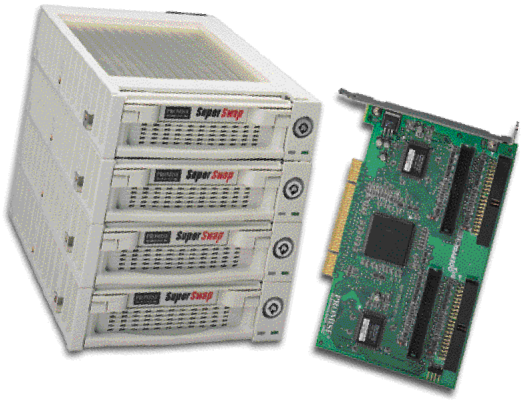
FastTrak100 TX2 supports up to 4 Ultra ATA/100 drives on two independent data channels. Get RAID 0 striping speeds up to 200 MB/s sustained. TX2's RAID 1 mirroring speeds will also blow away comparable RAID cards. House the drives inside the Promise SuperSwap hot swap chassises (two included with TX2 Pro) and get continuous PC operation even if a drive fails under RAID 1 mirroring.

FastTrak100 LP™

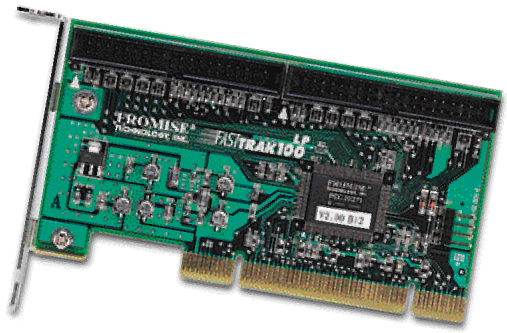
Now there's no reason to settle for less than blazing performance or continuous data protection even in a small PC thanks to the Promise FastTrak100 LP [1]. It's designed to fit inside most low profile PC and 2U rackmount chassises to offer RAID 0 striping or RAID 1 mirroring for Ultra ATA/100 drives. Space-minded small offices and desktop users can protect their data even if a drive fails. Or double sustained data transfers and build huge storage. Smaller can now mean better storage performance and value.



FastTrak100 TX2 Pro
FastTrak100 TX2 card and
2 SuperSwap chassises



FastTrak100 TX4 Pro
FastTrak100 TX4 card and
4 SuperSwap chassises



FastTrak100 LP
Low profile ATA RAID 0, 1 card

1 The FastTrak100 LP PCI card is designed with a different-sized mounting bracket for low-profile PC chassise and does not fit into a standard PC chassis. For standard PCs, please use the FastTrak100 TX2 card
2 Hot swap with RAID 0+1 supported on TX4 and TX4 Pro only
3 Using Promise SuperSwap chassises

FastTrak100 TX/LP Series™
Product Benefits

Flexible Product Choices

No matter what you choose, Promise FastTrak100 TX/LP products offer maximum flexibility for user data environments. For workstations, stripe up to four Ultra ATA/100 drives (TX4) or two drives (TX2 and LP) to multiply sustained data transfer speed, particularly for large files. RAID 1 mirroring protects user data against drive failure, sending identical data to a second drive or pair of drives every time you save.

The TX4 Pro and TX2 Pro kits let you safely swap a failed drive for a new drive without turning off the PC under RAID 1 or RAID 0+1[2]. Finally, you can dedicate a non-arrayed drive as a hot spare under RAID 1 for immediate replacement and restoration of a failed drive.

Maximum Drive Compatibility, Speed

Promise builds maximum value and reliability into the FastTrak100 TX/LP family for Ultra ATA/100 drives. The proven Ultra ATA/100 Promise chipset offers high-speed CRC error-checking that's been tested by virtually every major drive manufacturer worldwide.

The onboard Promise LBA BIOS auto-identifies and optimizes the speed of attached drives for maximum throughput. Built-in support for 66MHz PCI bus motherboards allows double the bandwidth for faster data transfers.

Quickly Builds ATA RAID Arrays

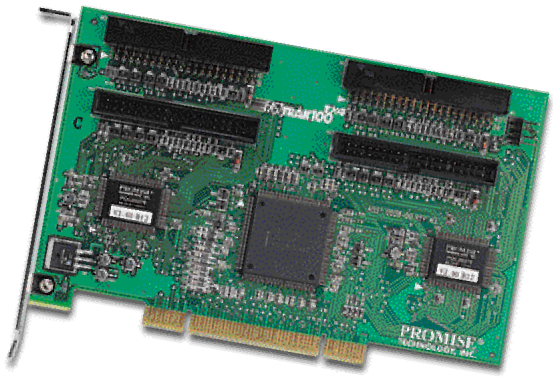
FastTrak100 TX/LP products continue the heritage of the Promise ATA RAID product line with optimized data handling. BIOS-level FastBuild™ offers both automatic and manual array setup menus. Automatically build an array for performance (RAID 0), or data protection (RAID 1 or RAID 0+1). Change RAID levels, delete, or rebuild arrays simply and easily.

Powerful Array Monitoring

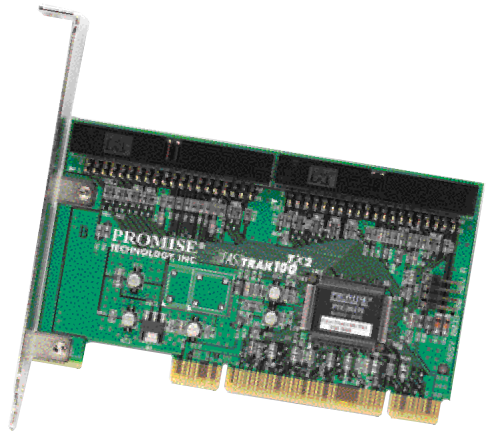
We've also made the password-protected FastCheck™ array monitoring utility even more powerful for network administrators. Users can pre-program FastCheck to correct specific array errors automatically on-the-fly without user intervention. Information windows automatically appear during "critical" events. Users can schedule array maintenance. FastCheck even supports management of removable drive enclosures to indicate power, temperature, and fan status[3]. DMI is also supported for remote monitoring across a network.

The Leader in ATA RAID

Since 1988 Promise Technology, Inc. has offered high performance ATA controllers for PC storage and has been recognized as the creator and leader of ATA RAID since 1997. The world's biggest OEMs and resellers look to Promise for ongoing innovations in ATA RAID design as the company continues to create the most powerful and economical alternatives to traditional RAID controllers and subsystems.



FastTrak100 TX4
4-channel ATA RAID 0, 1, 0+1 card



FastTrak100 TX2
ATA RAID 0, 1 card

FastTrak100 TX/LP Series™
Ultra ATA100 RAID 0, 1 Cards and Subsystems

FastTrak100 TX/LP Product Series Specifications

Drive Support	Supports Ultra ATA/100 drives; backward compatible with older Ultra ATA and EIDE drives
Controller Data Channels	Two (TX2 and LP) or four (TX4) independent channels assure maximum performance of each attached drive
Data Transfer Rate	Up to 200 MB/sec (depends on drive speed and use of multiple drives and presence of 66MHz PCI bus)
RAID Levels	RAID 0 striping of up to 4 drives for performance RAID 1 mirroring of 2 drives for fault tolerance RAID 0+1 striping/mirroring of 4 drives
Data Protection	Mirrors data to second drive or drive pair on-the-fly; offers hot spare feature for instant rebuild of failed drive in RAID 1 array (TX4 and TX4 Pro only); Pro kits allow hot swap of a failed drive and rebuild data in background for continuous PC operation
PCI Bus Support	Compatible with 66MHz PCI motherboards; automatically backward compatible with 33MHz
Disk Array Support	Supports up to 4 arrays with different RAID levels; different arrays are selectable and bootable
FastBuild BIOS Auto-Menu	Provides auto configuration and drive speed optimization; view/create/delete arrays; rebuilds failed arrays
FastCheck GUI	Monitors status of FastTrak100 arrays, attached hard drives, and any installed SuperSwap enclosures under Windows; warns of drive failure; allows rebuilds of mirrored arrays; synchronizes hard drives
Advanced Monitoring	Supports DMI for array monitoring through network; monitors S.M.A.R.T. status of attached hard drives; logs array errors and events to Windows NT4/2000 Event Log
Operating Systems Compatibility	Windows 2000/NT/Me/98/95; RedHat Linux 6.2/7.0; Netware 5.x

[1]Supports up to 133MB/sec under 33MHz PCI bus speed

Application Selection Guide

Environment	Small / Home Office Server	Small-to-Medium Network	Professional Workstation	Home or Business PC
Typical Applications	Email, Business, Accounting	Email, Business, Web	A/V, Desktop Video, CAD	Email, Business, Finances
Selection Criteria:				
Transfer Speed	High	High	Best	Best
No System Downtime to Replace Failed Drive	Essential	Essential	Not Critical	Preferred, But Not Critical
Data Protection	Essential	Essential	Not Critical	Important, But Not Critical
Available Storage Capacity	Large	Maximum	Maximum	Large
Recommended Product(s)	TX2 Pro	TX4 Pro	TX4 TX2	TX2 TX2 Pro LP (for low profile PCs)

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PROMISE® TECHNOLOGY, INC.

Headquarters
1745 McCandless Drive • Milpitas, CA 95035
Tel: 800-888-0245 / 408-228-6300 • Fax: 408-228-6400
E-mail: sales@promise.com

Meet us on the web
www.promise.com

Promise Europe
Unit 1.25 European Business Centre • Luchthavenweg 81
5657 EAEindhoven, The Netherlands
Tel: 31 (0)40 256 94 61 • Fax: 31 (0)40 256 94 63
E-mail: sales@promise.nl

Promise Taiwan
2F, No. 30, Industry E. Rd 9, Science-Based Industrial Park • Hsinchu, Taiwan, R.O.C.
Tel: 886-3-578-2395 • Fax: 886-3-564-5313
E-mail: sales@promise.com.tw

Promise China
Room 3217, No. 15, bai Shi Qiao road
Hai Dian district, Beijing 100081, P.R. China
Tel: 86-10-68723941~2 • Fax: 86-10-68723940
E-mail: sales-china@promise.com